**Hands On Equations with Fractions and Mixed Numbers**

Notes Page

Vocabulary- Equation, Variable

What is an **equation**?

An **equation** is

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Example of an **equation**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is a **variable**?

A **variable** is

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Example of a **variable**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In Hands on Equations, the **\_\_\_\_\_\_\_\_\_\_\_** pawns represent the \_\_\_\_\_\_\_ in your \_\_\_\_\_\_\_\_.

**Hands-On Guided Practice Problems**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Directions: Find the value of x in each equation.*

1. x = 1/3 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

1. x = 2/5 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

1. x + ½ = 7/8 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

1. x + 1/6 = ½ x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

5) 2x + ½ = 4 ½ x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

6) 2x + ¾ = 6 ¾ x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

7) 3x + 1/2 = 12 ½ x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

8) 3x + ½ = 2x + 2/3 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

9) 5x + 1/3 = 4x + 1/2 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_

10) 2x + 1/5 = x + 3/5 x = \_\_\_\_

Chk: \_\_\_\_\_ = \_\_\_\_\_